HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200208597-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):   Tyson R. McGuffin et al

Confirmation No.:

Application No.:

Examiner:

Filing Date: 09-29-2003

Group Art Unit:

Title: Method And System For Mapping Genes To Characteristics In A Genetic Optimization Process

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X)   under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( )   under 37 CFR 1.97(c) together with either a:
( ) Statement under 37 CFR 1.97(e), or
( ) a $180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( )   under 37 CFR 1.97 (d) together with a:
( ) Statement under 37 CFR 1.97(e)(1) or (2), and
( ) a $180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of $0.00   . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X)   Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( )   A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV210941349US

Date of Deposit   09-29-03

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By _Marci Santillanes_

Typed Name: Marci Santillanes

Respectfully submitted,

Tyson R. McGuffin et al

By _Thomas M. Croft_

Thomas M. Croft

Attorney/Agent for Applicant(s)
Reg. No. 44,051

Date: 9/29/03

Telephone No.: (970) 898-4218

FORM PTO-1449	ATTY. DOCKET NO. 200208597-1	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Tyson R. McGuffin,et.al		
(Use several sheets if necessary)	FILING DATE 09-29-2003	GROUP	

REFERENCE DESIGNATION — U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2002/0095393	Jul 18, 2002	McHaney	
	1B	6,181,945 B1	Jan 30, 2001	Lee	
	1C	6,363,368 B2	Mar 26,2002	Shinagawa	
	1D	5,930,780	Jul 27, 1999	Hughes,et.al	
	1E	2002/0010692	Jan 24, 2002	Sasagawa,et.al	
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	W.M.LIN,et.al, "Genetic Algorithm for Optimal Distribution System Planning", IEEE 1998, pages 241 - 245
	1R	YIN-XIU LI,et.al, "Nonlinear Mixed Integer Programming Problems Using Genetic Algorithm and Penalty Function", IEEE 1996, 2677 - 2682
	1S	D.T. PHAM,et.al, "Genetic Algorithm Using Gradient-like Reproduction Operator", Electronics Letters, August 31, 1995 Vol. 31 No. 18, pages 1558 - 1559

EXAMINER	DATE CONSIDERED